

CDAN1 Rabbit pAb

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Catalog # AP58828

Product Information

Application	WB
Primary Accession	Q8IYW9
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	134120
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CDAN1
Epitope Specificity	1175-1227/1227
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein.
DISEASE	Defects in CDAN1 are the cause of congenital dyserythropoietic anemia type 1 (CDA1) [MIM:224120]. An autosomal recessive blood disorder characterized by morphological abnormalities of erythroblasts, ineffective erythropoiesis, macrocytic anemia and secondary hemochromatosis. It is occasionally associated with bone abnormalities, especially of the hands and feet (acrodyostosis), nail hypoplasia, and scoliosis. Ultrastructural features include internuclear chromatin bridges connecting some nearly completely separated erythroblasts and an abnormal appearance (spongy or Swiss-cheese appearance) of the heterochromatin in a high proportion of the erythroblasts.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein that appears to play a role in nuclear envelope integrity, possibly related to microtubule attachments. Mutations in this gene cause congenital dyserythropoietic anemia type I, a disease resulting in morphological and functional abnormalities of erythropoiesis.

Additional Information

Gene ID	146059
Other Names	Codanin-1, CDAN1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

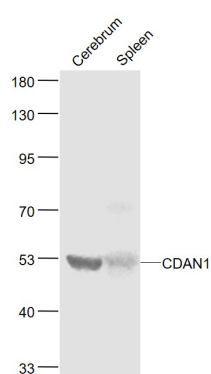
Protein Information

Name	CDAN1
Function	May act as a negative regulator of ASF1 in chromatin assembly.
Cellular Location	Cytoplasm. Nucleus. Membrane; Multi-pass membrane protein. Note=Mainly detected as a cytoplasmic protein
Tissue Location	Ubiquitously expressed. Isoform 3 is not found in erythroid cells.

Background

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Images



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Spleen (Mouse) Lysate at 40 ug
Primary: Anti- CDAN1 (AP58828) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 50 kD

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